

AMENDMENT TO THE SPECIFICATION

Please replace the paragraphs beginning at page 1, line 4 to page 5, line 7, with the following rewritten paragraphs:

-- The present invention relates to an easy-locking buckle structure, particularly to a buckle structure enabling a user to lock and detach the male and female buckle elements easily. The buckle structure according to the invention is applicable to those article which need to be frequently locked and detached, no matter regardless of whether they are soft or hard articles, or the like.

(b) Description of the Prior Art

~~Conventional~~ The conventional buckle structure, such as that disclosed in R.O.C. Approval No. 364303 ~~itled~~ entitled "press buckle", is composed of a male buckle set and a female buckle set. The ~~[[make]]~~ male buckle set further comprises of a buckle face and a male buckle element. The buckle face is substantially in the form of a T shape with a taper-form connecting bar vertically extending from the bottom thereof. The male buckle element ~~appears a disk shape~~ is disk-shaped in appearance and has an extrusion in the form of a neck at one end. While the male buckle element has a central pass for pivotally connecting to the connecting bar, a woven fabric layer is provided in-between the male buckle element and the buckle face. The female buckle set is composed of a buckle face and a female buckle element. While the buckle face is in the form of a T shape, the female buckle element has a main body in the form of a U shape, under which a central hole is provided for pivotally connecting with the connecting bar under the buckle face. A woven fabric layer is provided in-between the female buckle element and the buckle face. ~~[[A]]~~ An outer peripheral edge is provided on the top of the female buckle main body, while the space inside of the female buckle main body may allow the extrusion of the male buckle to stick inside.

However, in the above-mentioned prior art, when combining the male and female buckle sets together, there exist some disadvantages, as follows:

1. The user must press the buckle sets ~~[[hard,]]~~ with force so that they can lock together. This ~~[[is]]~~ may be quite inconvenient ~~[[to]]~~ for a female user.
2. In connection with the combination of the male and female buckle sets, as the female buckle is designed to have substantially the same bore diameter as the outer diameter of the male buckle, it is not easy for the user to operate the buckle elements, and particularly to position them.
3. When separating the buckle elements, in the absence of the holding tab, the user must pull and drag the woven fabric layer therebetween, which ~~is always torn,~~ will always eventually tear, given the firm combination of the male and female buckle elements.

In view of the afore-mentioned disadvantages carried by the structure of the prior art, the present invention is disclosed to improve said disadvantages, reduce costs, provide a holding tab, etc., in order to ease the combination pressure of the buckle structure with the articles, and to facilitate the user to hold and operate the buckle.

SUMMARY OF THE INVENTION

The primary object of the invention is to provide an easy-locking buckle structure, which can allow quick combination of the buckle and the article.

The secondary object of the invention is to provide an easy-locking buckle structure, which can ~~[[ease]]~~ make it easier for the user to hold and operate.

Yet another object of the invention is to provide an easy-locking buckle structure, which can allow a better elastic-locking effect of the buckle, thereby ~~lasting the life of use~~ extending the life of the buckle.

To obtain the above objects, the invention is composed of a male buckle element

in the form of a tab and a female buckle element having a smaller ~~square measure~~ area than that of the male buckle element. ~~An extruding pillar~~ A post extends downwardly from the bottom of one end of the male buckle element for engagement with a socket ~~[[with]]~~ having a hollow cylinder, while an upwardly raising holding tab is provided at the other end of the male buckle element. ~~A funnel-form tube~~ conical recess with a through hole is provided in the center of the female buckle element. Said ~~funnel-form tube~~ conical recess is provided with slots at the sides and connecting pins at the bottom for connecting with a socket which has a through hole in the center. Holes are pre-punched on the articles to be provided with the buckle for the ~~extruding pillar~~ post of the male buckle element to pass through and engage with the socket, while the connecting pins of the female buckle element pass through the punched holes on the article such that the funnel-form tube with the hole can aim at and pass through the punched hole on the article before the socket under the article is locked with the female buckle element. By way of the engagement of the ~~extruding pillar~~ post of the male buckle element with the hole of the female buckle element, the integral buckle can be locked and detached repeatedly. The slightly upward holding tab of the male buckle element can ~~ease a~~ make it easier for the user to operate the buckle structure. —

Please replace the paragraph beginning at page 6, lines 6-7, with the following rewritten paragraph:

-- FIG. 4 is a ~~eu-away~~ cutaway view of the invention showing the male and female buckle elements in ~~eelocking~~ locking status. --

Please replace the paragraphs beginning at page 7, line 2 to page 10, line 17, with the following rewritten paragraphs:

-- Referring to FIGS. 1 and 2, the buckle structure 1 according to the invention is composed of a male buckle element 10 in the form of a rectangular tab and a female buckle element 20 having a smaller ~~square-measure~~ area than that of the male buckle element. The fore end of the rectangular ~~tab~~ is formed around a round press button, below the center of which ~~an-extruding-pillar~~ a post 11 extends downwardly. The top of the press button may combine with a cover 12, while the top of the ~~an-extruding-pillar~~ post 11 may ~~engaged~~ engage with a socket 14 in the form of a cylinder with a hole. The ~~an-extruding-pillar~~ post 11 may be pressed with the socket to become a blunt end 16. The inner edge of the top of the cylinder with a hole can be provided with a depressed step edge 15 (as shown in FIG. 3). The other end of the tab raising upwardly to form a holding tab 13.

The female buckle element 20 ~~is provided according to the socket 14 combining with the male buckle element 10.~~ is combined with the male buckle element 10 by means of the socket 14. A ~~funnel-form tube~~ conical recess 21 with a hole 27 is provided in the center of the female buckle element 20, while the bottom surface of the ~~funnel-form tube~~ conical recess 21 is provided with a plurality of connecting pins 23 for connecting to a socket 24 which is correspondingly provided with a through hole 25 and connecting holes 26.

Referring to FIGS. 2 and 3, to have articles 30 and 35 locked together, a hole 31 must be pre-punched on the article 30 at an appropriate position, such that the ~~an-extruding-pillar~~ post 11 of the male buckle element 10 can pass through the hole 31 on the article 30. The socket 14 below the article 30 is engaged with the ~~an-extruding-pillar~~ post 11 through the article 30 to the depressed step edge 15 at the inner edge of the top of the cylinder with a hole and ~~[[stuck]]~~ firmly connected at the

blunt end 16 mounted on the extending pillar 11, thereby the article 30, male buckle element 10 and the socket 14 are combined integrally. The blunt end 16 mounted on the extending pillar 11 is engaged inside of the depressed step edge 15, such that the male buckle element 10 keeps the socket 14 ~~[[a]]~~ at greatest connecting size in respect of the outer diameter of the cylinder.

Meanwhile, a hole 36 and a plurality of connecting holes 37 are pre-punched on the article 35 at appropriate positions before passing the connecting pins 23 of the female buckle element 20 through the connecting holes 37 of the article 35, such that the hole 27 in the ~~funnel-form tube~~ conical recess 21 of the female buckle element 20 can aim at the hole 36 at the article 35. The connecting holes 26 of the socket 24 under the article 35 are engaged with the connecting pins 23 of the female buckle element 20. The connecting pins 23 are made by pressure to become blunt ends for locking purposes. The female buckle element 20, the article 35 and the socket 24 are combined integrally, so that the invention has been duly assembled.

Referring to FIGS. 3 to 5, when in use, one simply ~~[[need]]~~ needs to place the extending pillar 11 of the socket 14 engaged at the bottom of the female buckle element 10 above the hole 27 of the ~~funnel-form tube~~ conical recess 21 at the center of the female buckle element 20 without aiming a position, and ~~[[press]]~~ is pressed downwardly such that the extending pillar 11 at the bottom of the socket 14 can easily slide along the arc surface of the ~~funnel-form tube~~ conical recess 21 and reach the male buckle element 10 to engage in the hole 27 of the female buckle element 20.

As a plurality of slots 22 are provided on the sides of the ~~funnel-form tube~~ conical recess 21 of the female buckle element 20, the ~~funnel-form tube~~ conical recess 21 is ~~extensible~~ extendable such that the sides thereof can extend outwardly and stick to the ~~an-extruding pillar post~~ 11 of the male buckle element 10 when the socket 14 enters into the hole 27. As shown in FIG. 5, when the male and female

buckle elements are locked together, the articles 30 and 35 can be combined into one. In view of the provision of the ~~funnel-form tube~~ conical recess 21, the positioning becomes easier. Furthermore, the design of the slots 22 allows the bore diameter of the hole 27 ~~properly shrinkable~~ to lessen.

Further referring to FIG. 4, when separating articles 30 and 35, the user need ~~simply only needs to~~ lift the holding tab 13 of the male buckle element 10, and the ~~an~~ ~~extruding pillar post~~ 11 along with the socket 14 ~~[[would]] will~~ easily ~~detached~~ detach from the hole 27 on the ~~f-funnel-form tube~~ conical recess 21 of the female buckle element 20.

As shown in FIGS. 6 and 7, in order to stimulate the consumers to purchase the commodity and to enrich the ~~aesthetic~~ aesthetically pleasing feeling of the commodity itself, before covering the male buckle element 10 with the cover 12, a trademark logo 17 can be pre-imprinted on the cover 12, such that the surface of the male buckle element 10 may bear a beautiful logo 17 (as shown in FIG. 6). When applying the invention to a mobile phone case 40, the mobile phone case 40 can be closed and opened easily. Besides, In addition, the logo 17 shown on the cover 12 may further enhance the ~~aesthetic~~ aesthetically pleasing feeling of the mobile phone case 40.

Concluded above, the invention discloses an easy-locking buckle structure, which is provided with a holding tab enabling the user to operate the buckle, and making the combination of the buckle and the articles much easier. Meanwhile, the invention can enrich the view effect of the whole article. In view of the novelty and environmental ~~concept~~ concepts embraced by the present invention, as well as the value applicable to the filed, the inventor claims the invention as specified in the following claims. --